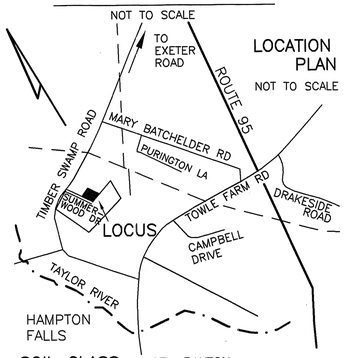
LOCUS MAP



LOCATION PLAN

NOT TO SCALE

SOIL CLASS: 67 PAXTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL OAK EL 43.79
#2	SET NAIL OAK EL 44.49
#3	TOP IRON PIN EL 42.79

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 46.0

2. THERE IS/ARE APPROX 2.0 FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.(EL44) EQUALS 29" ABOVE GRADE AT EL 43.6, 68% OF FIELD DOWNSLOPE

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

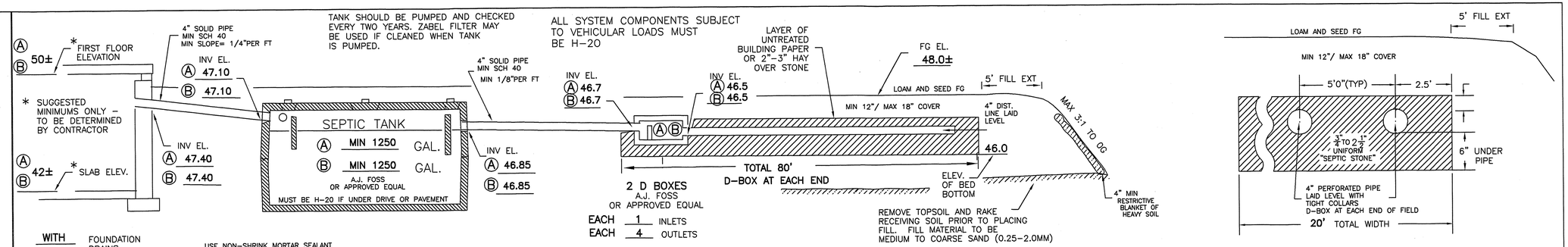
LEGEND:

50	EXISTING CONTOUR
(50)	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

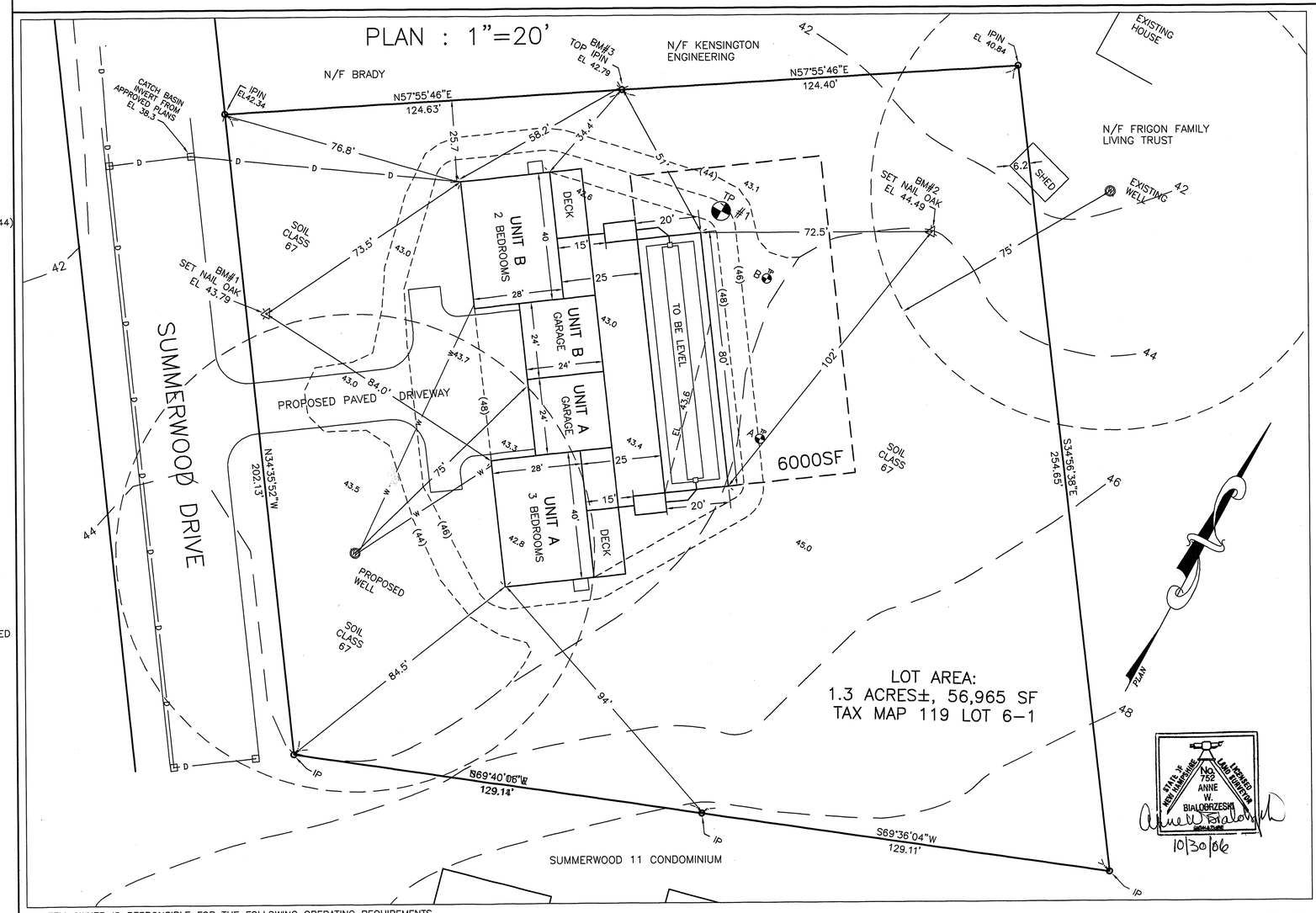
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
   RCRD PLAN C33080
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: ~~PENDING~~ SA2006007572
   REFERENCE #SA2005006407
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER, WELL, OR HYDRIC SOILS WITHIN 75' OF PROPOSED SYSTEM.
5. LOT LOADING CALCS:
   LOT AREA EXCLUDING WELL RADII = 40000 SF+
   SOIL GROUP 3, AB SLOPE = 1.6 SOIL FACTOR
   0.918 ACRE X 2000GPD / 1.6 = 1148 GPD ALLOWED
   PROPOSED USE = 5 BEDROOMS = 750 GPD

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE


A B 50± * FIRST FLOOR ELEVATION
* SUGGESTED MINIMUMS ONLY – TO BE DETERMINED BY CONTRACTOR
A B 42.2± * SLAB ELEV.
WITH FOUNDATION DRAINS
OUTFALL TO BE MIN 35' FROM L.F.
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. A 47.10 B 47.10
INV EL. A 47.40 B 47.40
TANK SHOULD BE PUMPED AND CHECKED EVERY TWO YEARS. ZABEL FILTER MAY BE USED IF CLEANED WHEN TANK IS PUMPED.
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
SEPTIC TANK
A MIN 1250 GAL.
B MIN 1250 GAL.
A.J. FOSS OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
INV EL. A 46.85 B 46.85
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
ALL SYSTEM COMPONENTS SUBJECT TO VEHICULAR LOADS MUST BE H–20
INV EL. A 46.7 B 46.7
INV EL. A 46.5 B 46.5
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 48.0±
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
46.0
MAX 3:1 TO OG
TOTAL 80'
D–BOX AT EACH END
2 D BOXES
A.J. FOSS OR APPROVED EQUAL
EACH 1 INLETS
EACH 4 OUTLETS
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
1" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS
D–BOX AT EACH END OF FIELD
20' TOTAL WIDTH

PLAN : 1"=20'



PLOT PLAN

1"=APPROX _____

TEST PIT DATA

DATE: TEST PIT # 1 MARCH 28, 2006

TEST PIT #1 EL 43.0

0–5"	LOAM AND ROOT MAT (TO BE REMOVED)
5–14"	10YR5/4 FINE SANDY LOAM, GRANULAR FRIABLE
14–20"	2.5Y5/4 FINE SANDY LOAM, GRANULAR FRIABLE
20–60"	2.5Y5/3 FINE SANDY LOAM, MASSIVE FIRM MOTTLED

ESHWT @ 20", NO REFUSAL, OBS H2O @ 48"+

TEST PITS A AND B BY OTHERS FROM APPROVED SUBDIVISION PLANS

PIT A 3/30/05

0–5"	10YR3/3 DARK BROWN, FINE SANDYLOAM, GRANULAR FRIABLE
5–14"	10YR5/4 YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR FRIABLE
14–22"	2.5Y5/4 LT OLIVE BROWN, FINE SANDY LOAM, GRANULAR FRIABLE
22–60"	2.5Y5/3 FINE SANDY LOAM, BLOCKY FIRM, W/REDOXIMORPHIC FEATURES

ESHWT @ 22", OBS H2O @ 32", RESTRICTIVE @ 22"
REFUSAL: NONE, ROOTS @ 24", PERC RATE: 9 MIN/IN @ 20"

PIT B 3/30/05

0–5"	10YR3/3 DARK BROWN, FINE SANDYLOAM, GRANULAR FRIABLE
5–12"	10YR5/4 YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR FRIABLE
12–19"	2.5Y5/4 LT OLIVE BROWN, FINE SANDY LOAM, GRANULAR FRIABLE
19–60"	2.5Y5/3 FINE SANDY LOAM, BLOCKY FIRM, W/REDOXIMORPHIC FEATURES

ESHWT @ 19", OBS H2O @ 26", RESTRICTIVE @ 19"
REFUSAL:NONE, ROOTS @ 20", PERC RATE: 9 MIN/IN @ 18"

PERC TEST DATA

DATE MARCH 30, 2005

PERC RATE: 9 MINUTES/INCH AT 18–20" DEPTH

DESIGN LOADING: UNIT A 3 BEDROOMS + UNIT B 2 BEDROOMS
5 BEDROOMS TOTAL (750 GPD)

AREA REQUIRED: 1050 SF (4 BEDROOMS) PLUS
267 SF (1 ADDITIONAL BEDROOM) =
1050 + 267 = 1317 SF REQUIRED

AREA PROPOSED: 20' X 80' = 1600 SF PROVIDED

PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: UNITS A & B
9 SUMMERWOOD DRIVE
HAMPTON, NH

OWNER: RICHARD A. & RUTH E. BLEY
83 HEMLOCK HAVEN
HAMPTON, NH 03842

STATE OF NEW HAMPSHIRE No. 752 ANNE W. BIALOBRZESKI LICENSED LAND SURVEYOR

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: APRIL 12, 2006
REVISED OCT 30, 2006

APPROVAL: CA2006084674

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.